**Vocabulary Connections Assignment for Derivatives**

Explain how the following words connect to each other. You can describe the connections in any way that works for you, just remember to be thorough. There are no wrong answers if you back up your statements. Some ideas on how to organize the connections include a paragraph, a web, a table…

1. Position
2. Velocity
3. Acceleration
4. f(x) (original function)
5. f’(x) (a function’s derivative)
6. f”(x) (a function’s second derivative)
7. Concavity
8. Slope
9. Mean Value Theorem
10. Rate of Change